



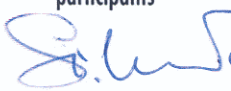


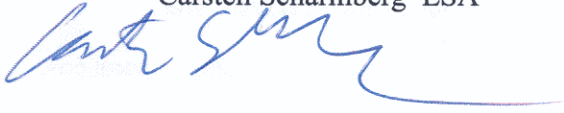
MINUTES OF MEETING

Herschel/Planck Project

date	12 April 2005	reference	SCI-PT-35045	page	1 / 8
meeting date	12/04/2005	meeting place	RAL		

chairman J. Rautakoski

participants


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Subject **SPIRE Warm Units DRB for H-EQM**

Agenda

As this is a re-delivery we will start with the actions from the previous DRB, and IRR. Then the agenda is as previously:

1. Confirm list of deliverable items.
2. Review the Configuration Item Data List, CIDL (as-designed).
3. Review the actual build status for hardware and software ABCL (as-built).
 - a. Review of relevant change proposals status and reconciliation of changes
 - b. Establish potential deviations to the design qualification baseline or to different models.
4. Review the status of non-conformance (major + minor). Full status list of applicable NCRs but review of the new ones since last DRB and still open ones from the previous one
5. Review the status of waivers/deviations.
6. Evaluate inspection results including cleanliness status.
 - a. Verify witness samples
 - b. MIP/KIP reports
7. Review the status of the test programme/test flow and test reports.
 - a. Review the verification status of requirements, VCD
 - b. Qualification/Acceptance test successfully run
8. Establish acceptability of Residual Hazards, and verify that all safety issues were covered and well understood, including the dangerous goods declaration, when applicable.
9. Review all interfaces and critical items.
9. Evaluate Historical Records, Mate/demate log, Limited Life Item Records, Open Work Records, Temporary Installation Records, Red Flag Items, and other sections of ADP for content and completeness.
10. Evaluate Operational constraints, Operating and Maintenance Manuals.
11. Review the hardware status and procedure of packaging, handling shipping, and storage operations.
12. Visual inspection of HW
13. Authorise shipment.

0. Action status from the previous DRB, and IRR

Open actions from previous DRB and IRR have been checked during the meeting. Updated Action list is attached as ANNEX #1.

AI #1: ASED to check SPIRE Warm Unit Electronics Handling and Integration Procedure (SPIRE-RAL-PRC-002181) and FPU integration Procedure (SPIRE-RAL-PRC-001923) by 26/04/2005.

AI #2: SPIRE to add "SPIRE external DCU power switch for EQM testing (Ref. SPIRE-RAL-NOT-002383) to the EIDP by 14/04/2005.

1. Confirm list of deliverable items.

Deliverable Items are according "SPIRE CQM – Warm units", which is included in section 1 of the EIDP. The L0 strap to be exchanged on the FPU is included in this delivery (Delivery date: 15/04/2005). SPIRE will participate during the strap exchange. Date for strap exchange is 19/04/2005 at OTN.

2. Review the Configuration Item Data List, CIDL (as-designed).

CIDL (SPIRE-RAL-PRJ-001134, Issue 2, 01/12/2004) has not changed since previous DRB, and is included in section 4 of EIDP version 3.
OBSW configuration/CIDL will be addressed in agenda point

3. Review the actual build status for hardware and software ABCL (as-built).

- a. Review of relevant change proposals status and reconciliation of changes

AI #3 ABCL (version 4.3) still has to be updated by SPIRE in order to represent the actual configuration, and will be provided together with version 4.2 (to track changes) within the hardware delivery (15/04/2005).

Main difference w.r.t. to previous ABCL:

- 1 MCU board has been removed from DRCU (not used with photometer part)
- External DCU power switch box (to switch on/off JFETs) has been added.
- Additional power supply to drive dummy mechanisms has been added.

These additional power supply and the DRCU bench power supply are not yet included in the integration procedure.

AI #4: SPIRE to update "SPIRE Warm Unit Electronics Handling and Integration Procedure (SPIRE-RAL-PRC-002181) in order to include the external DCRU bench- and dummy mechanisms- power supply by 15/04/2005.

WU mounting torque values defined by ASED (HP-ASED-PR-0031) have been reviewed and agreed by SPIRE.

- b. Establish potential deviations to the design qualification baseline or to different models.

Not applicable because WU's are no qualification models (functional only). Qualification will be done on separated models.

4. Review the status of non-conformance (major + minor). Full status list of applicable NCRs but review of the new ones since last DRB and still open ones from the previous one

Actual status is included in section 4 of the EIDP version 3 (Non-Conformance Reports Status Report, SPIRE-RAL-PRJ-0001079, version 8.0).

In addition, the EIDP contains issue 8.1 of the same document, which covers only the open NCR's (5 open NCR's in total):

HR-SP-RAL-NCR-87: "One JFET turned on, one did not during 2nd cold test." – JFET has been repaired. → No blocking for EQM campaign.

HR-SP-RAL-NCR-91: "Drive shorted to drive FPU." – Use as is for EQM → No blocking for EQM campaign.

HR-SP-RAL-NCR-92.2: "SPIRE EQM Electrical Interface Bench Test Anomalies." – Use as is for EQM. → No blocking for EQM campaign.

HR-SP-RAL-NCR-96: "L1 electrical short." – Use as is for EQM. → No blocking for EQM campaign.

HR-SP-RAL-NCR-105: "Simultaneous generation of BSM and SMEC frames leads to Frame ID error reports." – Use as is for EQM. → No blocking for EQM campaign.

Lower level NCR's on the DPU EM are not applicable for this delivery, which will be DPU AVM1.

HR-SP-RAL-NCR-59: "Ground short on DCU J28 LIA-5 connector" is only related to ILT harness, and thus is not blocking EQM activities.

None of the above SPIRE NCR's are blocking further EQM integration/testing activities. However, there are two ASED NCR's on the SPIRE cryoharness (HP-121432-ASED-NC-0895, HP-121432-ASED-NC-0896) which seriously impact further EQM activities. These NCR's are currently under NRB process. There will be another one (unshielded ground lines) to be raised by ASED.

These ASED NCR's are not blocking SPIRE WU delivery, but need to be solved prior to EQM cryostat closure.

5. Review the status of waivers/deviations.

No changes w.r.t. previous DRB.

List of Requests for Waiver/Deviations ,Ref. SPIRE-RAL-PRJ-001081, version 4.1, 28/11/2005 is included in section 5 of EIDP version 3.

6. Evaluate inspection results including cleanliness status.

- a. Verify witness samples

Units have been cleaned.

[AI #5: Outgoing inspection report will be added to the EIDP version 3 by 15/04/2005](#)

- b. MIP/KIP reports

Not for CQM/AVM. However, MIP/KIP reports will be generated in the frame of the PFM campaign.

7. Review the status of the test programme/test flow and test reports.

- a. Review the verification status of requirements, VCD

No changes w.r.t. to previous DRB. No additional verification performed on WU since last delivery.

b. Qualification/Acceptance test successfully run

Only functional units. Qualification to be done on separated units. However, functional acceptance has been performed (SPIRE CQM Functional Test Report, Ref. SPIRE-RAL-REP-002084, Issue 1.0, 12/07/2004)

8. Establish acceptability of Residual Hazards, and verify that all safety issues were covered and well understood, including the dangerous goods declaration, when applicable.

No changes w.r.t. previous DRB.

9. Review all interfaces and critical items.

No changes w.r.t. previous DRB

10. Evaluate Historical Records, Mate/demate log, Limited Life Item Records, Open Work Records, Temporary Installation Records, Red Flag Items, and other sections of ADP for content and completeness.

Historical updates need to be updated.

[AI #6: SPIRE to update Historical Records by 15/04/2005.](#)

None of the SPIRE WU's will be refurbished to FS, thus mate/demate logs are not mandatory.

No limited life items.

No open work identified by "Open Work Status Record" included in section 17 of EIDP version 3.

Main open activities:

- swap L0 straps
- change DCU/FCU external power supply cable.
- ASED to verify integration of EMI backshell.
- Grounding of warm units (ASED responsibility)

No temporary installation s.

No red tag items on SPIRE WU's

11. Evaluate Operational constraints, Operating and Maintenance Manuals.

HP-ASED-NC-210 (PACS DPU anomalous behaviour during first test at ASED):

This problem has not been seen by SPIRE at all, neither during several CQM ILT's, nor during integrated tests at ASED-OTN.

During previous WU tests at ASED-OTN, OBSW version 2.0 has been used. In the meantime, the OBSW has been upgraded by additional features to operate the mechanisms. The new OBSW version is 2.0a, and will be used for the forthcoming EQM campaign. However the new implemented features will not be used at all during the entire EQM campaign (Only photometer operation).

Note from Markus Koelle:

NCR Title	SPIRE commands all defined as critical
NC Item Identification	SPIRE
Next Higher Assembly	Herschel Instruments

CI (Sr No)	125200	
Supplier	RAL	
NC Observation	02-DEC-04, Location: OTN	NC Detected during first functional Test
Description	All SPIRE commands are currently being defined as critical in the MIB files. They had to be authorised before sending. The provided test scripts do not take this into account.	
Requirements violated	-	
Internal NRB Dispositions	Critical status can be removed. RAL to modify MIB file ccf.dat with removed criticality of all SPIRE TCs. Corrected MIB files to be provided to ASP who has to update the HPSDB accordingly.	
Classification	Minor	

Above potential NCR has been solved already:

MIB files have been changed already by SPIRE, and will be send to Alcatel by the end of this week.

[AI #7: SPIRE tp provide updated MIB to Alcatel by 15/04/2005.](#)

There will be a proper configuration control of the OBSW and test scripts. Two separated documents:

- OBSW CIDL
- H-EQM test script CIDL to be send to Alcatel, ASED & ESA. It shall contain detailed configuration of I-EGSE.

SPIRE request to update the HCSS at ASED-OTN site in order to comply with SPIRE needs. This has to be managed via Otto Bauer.

[AI #8: SPIRE to arrange updated HCSS implementation into I-EGSE at ASED-OTN prior start of EQM test campaign.](#)

None of SPIRE's test scripts contain more than 999 TC's, and it is not intended to produce test scripts with this high number of TC's. Thus the limitation to 999 TC's in the interface between I-EGSE and CCS does not affect SPIRE.

12. Review the hardware status and procedure of packaging, handling shipping, and storage operations.

No changes w.r.t. previous DRB. Covered by section 2 of the EIDP version 3.

SPIRE Specific Performance Test sequence for EQM testing, SPIRE-RAL-NOT-002284, Issue 1.0, 05/04/2005 covers all tests to be performed in the frame of the EQM campaign. However, it is not clear what is related to IMT, and what is related to EMC.

[AI #9: SPIRE will clarify by providing a new document addressing each separated test \(IMT \[including SPIRE/PACS parallel mode\], EMC\) by 26/04/2005.](#)

13. Visual inspection of HW

Visual inspection will be performed after delivery at ASED OTN by ASED and SPIRE.

14. Authorize shipment.

The board concluded the DRB successful, pending closure of open actions from this minutes. Shipment is authorized, and will be done on 15/04/2005. The final acceptance is pending on the closure of the actions and of the incoming inspection at ASED OTN.

MINUTES OF MEETING

Meeting	No.	Action	Due	Actione	Closeout	Status
SPIRE WU DRB SCI-PT-35045	AI#1	ASED to check SPIRE Warm Unit Electronics Handling and Integration Procedure (SPIRE-RAL-PRC-002181) and FPU integration Procedure (SPIRE-RAL-PRC-001923).	26/04/2005	ASED		Open
SPIRE WU DRB SCI-PT-35045	AI#2	SPIRE to add "SPIRE external DCU power switch for EQM testing (Ref. SPIRE-RAL-NOT-002383) to the EIDP	15/04/2005	SPIRE		Open
SPIRE WU DRB SCI-PT-35045	AI#3	ABCL still has to be updated by SPIRE, and will be provided together with the hardware delivery (15/04/2005).	15/04/2005	SPIRE		Open
SPIRE WU DRB SCI-PT-35045	AI#4	AI #4: SPIRE to update "SPIRE Warm Unit Electronics Handling and Integration Procedure (SPIRE-RAL-PRC-002181) in order to include the external DCRU bench- and dummy mechanisms-power supply.	15/04/2005	SPIRE		Open
SPIRE WU DRB SCI-PT-35045	AI#5	Outgoing inspection report will be added to the EIDP version 3	15/04/2005	SPIRE		Open
SPIRE WU DRB SCI-PT-35045	AI#6	SPIRE to update Historical Records.	15/04/2005	SPIRE		Open
SPIRE WU DRB SCI-PT-35045	AI#7	SPIRE to provide updated MIB to Alcatel.	15/04/2005	SPIRE		Open
SPIRE WU DRB SCI-PT-35045	AI#8	SPIRE to arrange updated HCSS implementation into I-EGSE at ASED-OTN prior start of EQM test campaign.		SPIRE		Open
SPIRE WU DRB SCI-PT-35045	AI#9	SPIRE will clarify by providing a new document addressing each separated test (IMT [including SPIRE/PACS parallel mode], EMC) by 26/04/2005.	26/04/2005	SPIRE		Open

SPIRE Meeting & Telecon				Actions				
Minutes ref	Date	Title	AI #	Description	Due	Resp	Closeout & Comments	Status
SCI-PT-34476	16/03/05	PM #14	1	SPIRE to verify if new manufacturer is ESA qualified for soldering and implement MIP (SPIRE and ESA) after QM boards assembly prior to coating.	23/03/05	SPIRE		Open
SCI-PT-34476	16/03/05	PM #14	2	SPIRE to provide detailed DRCU planning, in particular covering the change of boards manufacturer	19/04/05	SPIRE	Due for Next PM #15 planned 19/04/05	Open
SCI-PT-34476	16/03/05	PM #14	3	SPIRE to provide: closeout for HR-SP-RAL-NCR-34.1 update of HR-SP-RAL-NCR-87 update HR-SP-RAL-NCR-96HR-SP-RAL-NCR-107	18/03/05	SPIRE	Closed by e-mail from C. Scharmberg 1.4.2005	Closed
SCI-PT-34476	16/03/05	PM #14	4	SPIRE to provide update of NCR status list.	30/03/05	SPIRE		Open
SCI-PT-34476	16/03/05	PM #14	5	ESA to ensure that SPIRE will have access to the NCR database.	01/04/05	ESA	Access fro E. Clark, D. Griffin, C. Brockley-Blatt	Closed
SCI-PT-34476	16/03/05	PM #14	6	ESA to compare attached RfW list with ESA list.	24/03/05	ESA		Open
SCI-PT-34476	16/03/05	PM #14	7	SPIRE to provide: Functional checkout after electrical integration with the objective to verify electrical cryoharness connection. Warm SFT ; Cold SFT ; IMT/SPT ; EMC Each procedure shall clearly identify other applicable documents.	01/04/05	SPIRE		Open
SCI-PT-34476	16/03/05	PM #14	8	SPIRE to provide comments (to ESA, ASED, ASP, P. Mack) on HP-2-ASED-PR-0031 and HP-2-ASED-PR-0051	01/04/05	SPIRE		Open
SCI-PT-34476	16/03/05	PM #14	9	ESA to clarify SPIRE WU DRB and WU delivery date.	23/03/05	ESA	Done by e-mail from C. Scharmber 23.3.2005	Closed
SCI-PT-34476	16/03/05	PM #14	10	SPIRE to provide technical note describing the DRCU switch-on/off approach during EQM campaign. (send to P. Mack, C. Schlosser, ASED, ASP, ESA)	24/03/05	SPIRE	Done sent 21.3.2005. Ref SPIRE-RAL-NOT-002383, SPIRE external DCU power switch for EQM testing	Closed
H-P-ASP-MN-5972	18/02/05	IF Tel	1	ASED will check if gluing tie bases can be done on the Alodine and Black Anodised coating, or if the coating has to be removed.	25/02/05	ASED	Closed by mail S.Idler 24/02/05 RE: Réf. : HP-ASED-EM-0081-05: H-P-ASP-MN-5972 AI 01 (removing the coating before gluing)	Closed
H-P-ASP-MN-5972	18/02/05	IF Tel	2	SPIRE will update the list of applicable procedures & documents for test, with indicating RD for IIDB, for 24/2/05	23/02/05	SPIRE	Open New agreed due date: 31/03/2005 (IMPORTANT TO CLOSE OUT PRIOR WU DRB)	Open
H-P-ASP-MN-5972	18/02/05	IF Tel	3	ASED will make a proposal for the delivery date of WU (reshuffling HIFI-PACS-SPIRE deliveries to cope with SPIRE FM test #1, as much as possible without negative impact on the overall EQM schedule).	25/02/05	ASED	Closed by Fax HP-ASED-FX-0118-05, dated 09/03/05, "EQM Instrument AIT Near Term Planning" (SPIRE WU delivery: 1/04/05)	Closed
SCI-PT-33276	14/01/05	PM #13	1	ASED to investigate opportunity to perform in beginning of April, after SPIRE PFM1 ILT at RAL, limited IDAS verification prior EQM electrical cryoharness integration.	21/01/05	ASED	Closed by Mail S.Idler 17/01: gain of early but only partial confidence would not justify the impact (doing practically twice the same test).	Closed
HP-2-ASED-MN-0836	17/12/04	IRR	1	ASED Spire integration procedure not available to be formalized by procedure variation sheet or test change		ASED		Closed
SCI-PT-32559	03/12/04	PM #12	1	SPIRE to investigate the needed configuration to verify the EQM cryoharness prior to cryostat closure, and to clarify if ALL cryo-wires or only a subset can be checked within these test.	31/12/04	SPIRE	Closed Provided a breakout box on 128 pin feedthrough connector is available at OTN (ASED confirmed availability) SPIRE can verify all wires of internal cryoharness except ground connections. Procedure to be prepared by SPIRE only if requested.	Closed

SPIRE Meeting & Telecon				Actions				
Minutes ref	Date	Title	AI #	Description	Due	Resp	Closeout & Comments	Status
SCI-PT-32559	03/12/04	PM #12	2	Investigate the schedule impact of late straps delivery. (Due date: FPU IRR)	08/12/04	ASED	Closed: During FPU IRR 15/01/05 has been agreed as LO strap delivery without schedule impact	Closed
SCI-PT-32559	03/12/04	PM #12	3	ASP to clarify the responsibility for the entire checkout system, and it's maintenance during test campaigns. (Due date: 10/12/04)	10/12/04	ASP	Closed by: by SCI-PT-33276 - PM#13 _14-01-05 : ASED is responsible	Closed
SCI-PT-32559	03/12/04	PM #12	4	Provide status/planning of missing input required by ASP to update IID-B.	17/12/04	SPIRE	Closed by H-P-ASP-MN-5972 SPIRE IF Telecon 18-02-05	Closed
H-P-ASP-5613	11/11/04	DRB	3	Spire to issue CR for udated SPIRE-RAN NOT 0028 Issue 2	15/12/04	SPIRE	Document has been updated and is included in SPIRE QM EIDP version 3	Closed
H-P-ASP-5613	11/11/04	DRB	6	Log in EIDP (SPIRE-NOT-001675 lss 2) to be updated and include JFET modules serial numbers	15/12/04	SPIRE	Log has been updated and is included in SPIRE QM EIDP version 3 (Was already in version 2)	Closed
H-P-ASP-5613	11/11/04	DRB	7	SPIRE to complete CIDL for delivery (with IHDR comments)	15/12/04	SPIRE	CIDL has been completed and has been included in SPIRE QM EIDP version 2	Closed
H-P-ASP-5613	11/11/04	DRB	9	ESA to provide disposition on HP-SP-CEA-002.2 (external power supply for DCU/FCU) considering industry rejection)	15/12/04	ESA	Accepted by ESA CCB. Answer sent by SCI-PT-32007 16.11.2004.	Closed
H-P-ASP-5613	11/11/04	DRB	14	SPIRE to provide user manual	31/12/04	SPIRE	SPIRE IUM issue 1 (Ref. SPIRE-RAL-PRJ-002395) is included in SPIRE QM EIDP version 3.	Closed
H-P-ASP-5613	11/11/04	DRB	15	Alcatel will clarify what is the limit date for instruments to send test scripts	15/12/04	ASPI	superceeded by IRR	Closed
H-P-ASP-5613	11/11/04	DRB	17	Industry to review the new Electrical integration procedure	31/01/05	ASED	New issues included in the EIDP for the WU redelivery, SPIRE-RAL-PRC-001923 issue 3 and 002181 issue 2. New action to review these raised during WU DRB	Closed
H-P-ASP-5613	11/11/04	DRB	18	The external alignment verification will be documented in a separate document in the EIDP	15/12/04	SPIRE	Data is available but the procedure has not yet been written. This is only relevant for the FM. Obsolete.	Closed
H-P-ASP-5613	11/11/04	DRB	19	The grounding of WU on the SVM dummy to be clarified by ASED	25/11/04	ASED	Clarified by ASED who will provide grounding straps and mount them according to HP-2-ASED-PR-0031	Closed
H-P-ASP-MN-5426	07/10/04	IF Tel	1	Conflicts with the SPIRE IQR. ESA to resolve the conflict.	20/10/05	ESA	Closed	
H-P-ASP-MN-5426	07/10/04	IF Tel	2	All IIDB inputs except section 4 will be delivered by end October	29/10/05	SPIRE	Open New due date 31/03/05 for all inputs including \$4.	Open
H-P-ASP-MN-5426	07/10/04	IF Tel	3	Suppressing straylight : Baffle between the Instrument Shield and the HIFI FPU LO beam holes Implementation has been decided. ASED will send the conceptual design to SPIRE for information.	29/10/05	ASED	Closed by mail H.Faas 29/10 (forward to SPIRE existing mail HP-ASED-EM-0720-04)	Closed
H-P-ASP-MN-5426	07/10/04	IF Tel	4	Mass & CoG properties (accuracy) of CQM units : mail E.Sawyer 22/09 Proposition is acceptable for QM, not for FM. Waiver will be accepted.	29/10/05	SPIRE	Closed by RFW04 (mail E.Clark 12/10)	Closed
H-P-ASP-MN-5426	07/10/04	IF Tel	5	SPIRE needs to have, in the TM a time stamp (precision 10ms) for the start of scan ASP will clarify this possibility. But ACMS software is running with steps of 250ms.	29/10/05	ASP	Closed Discussed in DMWG 20-21/10: AI for SPIRE, to be closed week 45. Covered now by AI 7 to ESA, from ACMS Operation WG#3 18/11/04, minutes MN-5615	Closed
HP-2-ASED-MN-0753	09/09/04	AIT/EMC	1	ASED will provide a response to the RAL comments on PL-0021, Issue 3	21/09/04	ASED	Closed by mail H.Faas HP-ASED-EM-0758-04 21/09/04	Closed
HP-2-ASED-MN-0753	09/09/04	AIT/EMC	2	RAL will provide a sketch of the proposed design of the BOB. Preferred solution is a T- Adapter	20/09/04	SPIRE	Closed by mail D.Griffin 03/11 with file "AI2 from AIT and EMC meeting.doc"	Closed

SPIRE Meeting & Telecon				Actions				
Minutes ref	Date	Title	AI #	Description	Due	Resp	Closeout & Comments	Status
HP-2-ASED-MN-0753	09/09/04	AIT/EMC	3	RD- 11 (CQM deliverable for Syst Level Test) has been updated and will be issued at Version 4 (but idem AI 13 here after)	13/09/04	SPIRE	Closed by mail D.Griffin 23/09 with CQM SPIRE Definition for EQM Test Issue 5.pdf (ASED comments on going)	Closed
HP-2-ASED-MN-0753	09/09/04	AIT/EMC	4	SPIRE will define its GSE deliverables for EQM testing	07/10/04	SPIRE	Closed by mail E Sawyer 05/10, last IIDB SPIRE input: section 5.16 inputs (idem closure AI 10_ H-P-ASP-MN-4776 SPIRE IF Telecon 28-04-04)	Closed
HP-2-ASED-MN-0753	09/09/04	AIT/EMC	5	SPIRE will send a PACS/ SPIRE Parallel Mode Procedure for EQM testing..	30/09/04	SPIRE	Open New due date 04/04/2005 URGENT TO BE RESOLVED !	Open
HP-2-ASED-MN-0753	09/09/04	AIT/EMC	6	SPIRE will provide the EQM thermal interface requirements and mass flow rate for the EQM testing)Status to be sent by SPIRE for 19/01/05, with: due date of requirements values and new test sheets (see AI 7)	30/09/04	SPIRE	Closed by: Mail E.Sawyer 14/01: Proposed due date is 28/1/05 - And by mail A.S. GOIZEL 03/02/05 with SPIRE-RAL-NOT-002319 SPIRE TBT Sequence for EQM Testing - Issue 1-0.pdf	Closed
HP-2-ASED-MN-0753	09/09/04	AIT/EMC	7	SPIRE will provide update test activity sheets to cover resolution of the TBD or empty fields	30/09/04	SPIRE	Closed by AI 6 and H-P-ASP-MN-5972 SPIRE IF Telecon 18-02-05	Closed
HP-2-ASED-MN-0753	09/09/04	AIT/EMC	8	A separate WU integration procedure will be provided by RAL. This will cover the WU interconnection harness.	15/10/04	SPIRE	Closed by mail E Sawyer 27/10 with doc	
HP-2-ASED-MN-0753	09/09/04	AIT/EMC	9	SPIRE will provide a dedicated integration procedure for the AVMs, based AVM test plan to be provided by ASP (already provided).	15/10/04	SPIRE	Open (and RD to be added in IIDB) New due date 31/03/05	Open
HP-2-ASED-MN-0753	09/09/04	AIT/EMC	10	SPIRE: Update of the FPU Handling and Integration Procedure will be provided by SPIRE.	15/10/04	SPIRE	Closed by issue 2 in IQR data pack	Closed
HP-2-ASED-MN-0753	09/09/04	AIT/EMC	11	SPIRE will update the document Operating the SPIRE Instrument .	15/10/04	SPIRE	Closed covered by AI from DRB (User Manual update)	Closed
HP-2-ASED-MN-0753	09/09/04	AIT/EMC	12	SPIRE Functional Test Specification, Current version: 1.2. To be distributed	13/09/04	SPIRE	Closed by mail E Sawyer 30/09	Closed
HP-2-ASED-MN-0753	09/09/04	AIT/EMC	13	Definition of the SPIRE CQM Delivered for system level testing; Has been updated to issue 4. Will be sent within CW 38 (but idem AI 3 here before)	13/09/04	SPIRE	Closed by mail D.Griffin 23/09 with CQM SPIRE Definition for EQM Test Issue 5.pdf	Closed
HP-2-ASED-MN-0753	09/09/04	AIT/EMC	14	ASED will clarify the connectivity to the out- side world in OTN for PCs.	07/10/04	ASED	Closed by Mails from C.Sclusser: no possible connection	Closed
HP-2-ASED-MN-0753	09/09/04	AIT/EMC	15	SPIRE will provide the packing list and may request some additional tools, if available at ASED (but idem AI 3 here before)	07/10/04	SPIRE	Closed as AI 3 here before	Closed
HP-2-ASED-MN-0753	09/09/04	AIT/EMC	16	ASED will sent the UV lamp spec to SPIRE for check.	17/09/04	ASED	Closed mail C.Schlusser HP-ASED-EM-0742-04 20/09/04	Closed
HP-2-ASED-MN-0753	09/09/04	AIT/EMC	17	ASED will provide the warm up curves of the instruments.	30/10/04	ASED	Closed by H-P-ASP-MN-5972 SPIRE IF Telecon 18-02-05: PACS cooling/warming requirement 5K/h will drive the procedure	Closed
HP-2-ASED-MN-0753	09/09/04	AIT/EMC	18	ASED will provide I/ F drawings.of The EQM SVM Simulator.	17/09/04	ASED	Closed by mail H.Faas HP-ASED-EM-0757-04 21/09/04	Closed
HP-2-ASED-MN-0753	09/09/04	AIT/EMC	19	ASP will provide the AVM test plan ()..	09/09/04	ASP	Closed	Closed
HP-2-ASED-MN-0753	09/09/04	AIT/EMC	20	SPIRE will provide the detailed breakdown of the SPT, including the cyrocover temperature calibration	15/10/04	SPIRE	Closed by SPIRE NOT 0022-84, 07/01/05	Closed
SCI-PT-30365	03/09/04	PM #10	1	Astrium to clarify and send out the final agenda SPIRE AIT Meeting	07/09/04	ASED	Closed by mail H.Faas ref HP-ASED-EM-0708-04 dated 08/09	Closed

